

312 554 7400 FAX 312 554 7499 120 SOUTH RIVERSIDE PLAZA SUITE 1620 CHICAGO, IL 60606

April 27, 2007

RECEIVED

MAY 0 9 2007

AIR ENFORCEMENT BRANCH
US EPA REGION 5

United States Environmental Protection Agency (AR-17J) Air & Radiation Division 77 West Jackson Blvd. Chicago, IL 60604

RE: 2006 Annual Compliance Certification

Ester Solutions CAAPP# 96010056

To Whom It May Concern:

Enclosed is the 2006 Annual Compliance Certification for Ester Solutions located at 5851 W. 73rd Street in Bedford Park, IL.

If you have any questions, please contact me at 312-554-7422.

Sincerely,

THE HALLSTAR COMPANY

April A. Cesaretti

Regulatory Affairs Manager

Enclosure



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF AIR POLLUTION CONTROL COMPLIANCE AND SYSTEMS MANAGEMENT SECTION 1021 NORTH GRAND AVENUE EAST, P O BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276

RECEIVED

MAY 09 2007

AIR ENFORCEMENT BRANCH US EPA REGION 5

	FOR AGENCY USE ONLY		
	ID NUMBER		
CAAPP ANNUAL			
COMPLIANCE CERTIFICATION	PERMIT #		
	1		
	DATE		
EMISSION UNITS AT THE SOURCE AS REQUIRED BY 40 CFR 70 6 (c) (5).	CAAPP PERMIT HOLDER SUBMIT AN ANNUAL COMPLIANCE CERTIFICATION FOR ALL 39 5 (7) (p) (v) OF THE ENVIRONMENTAL PROTECTION ACT AND CAAPP PERMIT CONDITIC Y 1 TO DECEMBER 31 AND IS DUE ON OR BEFORE MAY 1 FOR THE PRECEDING CALENDA ISFY THIS REQUIREMENT		
SOURC	CE INFORMATION		
1) SOURCE NAME ESTEV SULUTIONS			
2) SOURCE ADDRESS SEST W. 73 vol S	Ircet		
3) CITY Bedford Park	4) COUNTY COOK		
5) TOWNSHIP 6) STATE	7) ZIP CODE		
TL-	60499		
8) DATE FORM PREPARED	9) SOURCE ID NO		
April 30,2007	031821 ABE		
10) CAAPP PERMIT NO			
96-010056			
11) CALENDAR YEAR OR REPORTING PERIOD COVERED BY T	'HIS REPORT		
2006			
200 Φ			
SOURCE COM	IPLIANCE INFORMATION		
12) CHECK EITHER (a) OR (b) BELOW			
(a) During the autor recording point this age	uran uran in continuous popularion in the ALL towns and		
(a) During the entire reporting period, this soul conditions contained in its CAAPP permit. The method	urce was in continuous compliance with ALL terms and dissent to determine compliance for each term and condition is		
the method specified in the permit	d doed to determine compliance for each term and condition is		
/In NAGALAN COLUMN COLU	S. Table 4 and Table 0 dbs		
(b) With the exception of the items identified in Table 1 and Table 2, this source was in continuous compliance with all terms and conditions contained in the permit. The method used to determine compliance for each term and condition is the method specified in the permit, unless otherwise indicated			
NOTE: Table 1 must be completed for all units and	d activities regardless of compliance status. Table 2 must be		

completed for all sources of intermittent or continuous noncompliance with any permit condition.

ATTACHMENTS				
13) Are you submitting any attachments with this report? Yes No No				
If yes, please list the attachments below				
TALIC 1+2				
COMPLIANCE CERTIFICATION REPORT MAILING				
14) In addition to submitting the Compliance Certification report to the Compliance and Systems Management Section (CASM), a copy of the Compliance Certification report must also be submitted to the <u>USEPA Region 5</u> and the appropriate <u>IEPA regional field office</u> Addresses are listed in condition 8 6 of your CAAPP permit				
Please check the appropriate boxes.				
A copy of the Compliance Certification report has been submitted to USEPA.				
Yes □ No □				
A copy of the Compliance Certification report has been submitted to the appropriate IEPA regional field office				
Yes ⊠ No □				
SOURCE CONTACT PERSON				
15) NAME OF TECHNICAL CONTACT PERSON FOR THIS REPORT				
NAIL A CESARTE				
16) TECHNICAL CONTACT PERSON TITLE 17) CONTACT PERSON'S TELEPHONE NUMBER				
Formalism Affano Marriager 312 554-7422				
COMPLIANCE STATEMENT AND SIGNATURE BLOCK				
NOTE A RESPONSIBLE OFFICIAL MUST SIGN THIS COMPLIANCE CERTIFICATION UNSIGNED COMPLIANCE CERTIFICATIONS WILL BE RETURNED AS INCOMPLETE				
18) I certify under penalty of law that this document and all attachments were prepared under my direction or				
supervision in accordance with a system designed to assure that qualified personnel properly gathered and				
evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for				
gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of				
fine and imprisonment for knowing violations.				
into dira imprissimistra di tatoring risiditaria.				
AUTHORIZED SIGNATURE				
Director, Supply & Operations				
AUTHORIZED SIGNATURE . TITLE OF SIGNATORY				
Jeff Jawarek April , 30 , 2007				
TYPED OR PRINTED NAME OF SIGNATORY DATE				

Printed on Recycled Paper 401-CAAPP

2006 Annual Compliance Certification Source Name: Ester Solutions ID # 031821ABE

NOTE This table presents the Title V conditions, as well as certain construction permit conditions for a catalytic oxidizer (Jan - Nov) and thermal oxidizer (Nov - Dec), which have not yet been formally incorporated into the Title V

			· · · · · · · · · · · · · · · · · · ·
Permit Condition		1	
Reference (All			
ferences are to the		1	
Title V permit		ì	
unless otherwise		Compliance	
identified)	Description of Permit Condition	Status	Method Used to Determine Compliance Statu
identified)	Description of Fernit Continuo	Status	Method Csed to Determine Comphance statu
	Overall Source Conditions		
5 2 2	- No fugitive particulate emissions that are visible at the property line should be emitted	С	Visual Inspection
523	- Operating program for Particulate Matter should be developed for the site	c	Program developed and in place
5 2 4	- Refrigeration units must follow the requirements under 40 CFR 82	c	Review of records
	Terrigoration units must consider the requirements under the Critical	<u> </u>	Review with maintenance personnel and documen
5.4	- Cannot use chromium based water treatment chemicals in the process cooling towers	C	confirming the absence of chromium
	Cannot be constituted by the street of the s	 	Calculate emissions on a monthly (where required
5.5	- Permitted emissions is as follows	c	for annual basis
33		1	or araidar basis
	NOx = 8 257 (py	i	
	PM = 27 534 tpy	İ	
	SO2 = 0.024 tpy	}	
	VOM = 249 950 tpy		
		l	Audit of records to ensure five year requirement is
565	- All records must be kept for at least 5 years from the date of entry and be kept at the source location	С	met
5 6	- Keep records of	C	Review of records
1	total emissions on calendar year basis for all pieces of equipt in Section 7	Į	
	notification that chromium based cooling tower water chemicals have not/should not be used	1	
Ì	dimensions of each storage vessel		
	analysis of the capacity of each storage vessel (351AC218 129 (f) - section 5 6 5 of permit)	1	
	Reactor Trains		<u></u>
	- Source shall reduce uncontrolled VOM emissions from such batch process train by an overall efficiency, on average, of at least 90 percent per batch cycle		
713 (c)(II)		C	See note (1) below
	Wastewater Treatment Operations		
7 2 6	- ET-1 ET-2, HT-1, HT-2 must not exceed 4.000 hours/year and 1 76 lbs/hr and 3 52 tons/year of emissions	C	Review of records
7 2 9	- Keep records of	С	Review of records
	operating schedule	1	
	monthly emissions		
	monthly emissions annual emissions		
7 2 12	·	C(1)	Review of records
7 2 12	annual emissions	C ₍₁₎	Review of records
7 2 12	annual emissions	C ₍₁₎	Review of records
7 2 12	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr	C ₍₁₎	Review of records Review of records Discuss with Maintenance
7 2 12	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr Adipic Acid Bulk Handling	C ₍₁₎	Review of records Discuss with Maintenance
	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr Adipic Acid Bulk Handling		
	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects		Review of records Discuss with Maintenance
7 3 5	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months	С	Review of records Discuss with Maintenance Manager Review of records
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects	С	Review of records Discuss with Maintenance Manager Review of records Review of records Discuss with Maintenance
7 3 5	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of	С	Review of records Discuss with Maintenance Manager Review of records
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of throughput of adipic acid (ton/mo. ton/yr)	С	Review of records Review of records Review of records Review of records Discuss with Maintenance
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of throughput of adipic acid (ton/mo. ton/yr) monthly PM emissions	С	Review of records Review of records Review of records Review of records Discuss with Maintenance
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of throughput of adipic acid (ton/mo. ton/yr) monthly PM emissions annual PM emissions	С	Review of records Discuss with Maintenance Manager Review of records Review of records Discuss with Maintenance
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of throughput of adipic acid (ton/mo. ton/yr) monthly PM emissions annual PM emissions periodic inspection of baghouse	С	Review of records Discuss with Maintenance Manager Review of records Review of records Discuss with Maintenance
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr - Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of - throughput of adipic acid (ton/mo. ton/yr) - monthly PM emissions - annual PM emissions - periodic inspection of baghouse - prompt repair of baghouse defects	С	Review of records Discuss with Maintenance Manager Review of records Review of records Discuss with Maintenance
735	annual emissions - Emissions should be calculated using emission factor of 0 837 lbs VOM emitted/hr Adipic Acid Bulk Handling - The baghouse must follow good operating practices periodic inspection, routine maintenance, prompt repair of defects - Annual emission limits, of 37 96 tons/year, shall be determined on a monthly basis from the sum of the current month plus the preceding 11 months - Keep records of throughput of adipic acid (ton/mo. ton/yr) monthly PM emissions annual PM emissions periodic inspection of baghouse	С	Review of records Discuss with Maintenance Manager Review of records Review of records Discuss with Maintenance

		7	
	g of Compliance Status for Applicable Permit Terms and Conditions		
2006 Annual Compl	nance Certification	_	
Source Name: Ester	Solutions		
ID #: 031821ABE			
NOTE This table pi	resents the Title V conditions, as well as certain construction permit conditions for a catalytic oxidizer (Jan - Nov) and thermal oxidizer (Nov - Dec), which	have not yet bee	n formally incorporated into the Title V
Permit Condition		T	
Reference (All			
references are to the		1	
Title V permit		i	
unless otherwise		Compliance	
(dentified)	Description of Permit Condition	Status	Method Used to Determine Compliance Status
	S/T 71, 72, 73		
	- Can only be used for blending, drumming and storage of Plasticizer and Butanol	1	
755		C	Review of records Knowledge of Plant Personnel
759	- Keep records of	С	
	identification of material stored within	1	
	throughput (gal/mo, gal/yr)	[
	operating schedule of the blending/drumming operation of the tanks		
	annual VOM emissions		
	dimensions of the tanks		[
	analysis of the capacity of the tanks		
7 5 12	- Emissions should be calculated using the most current version of the TANKS program	C	Review of records
7312	Emissions should be executated using the most turient version of the 1711-170 program		neview of records
	Warehouse and Local Drumming Station		
769	- Keep records of	С	Review of records
, , ,	throughput (lb/mo, ton/yr)		1
	operating schedule for each drumming station	1	
	monthly VOM emissions	}	
	annual VOM emissions	1	
	- Emissions should be calculated in the following manner (Amount of Material Drummed, lb) x (0.25 lb VOM Emisted/12 000 lb Drummed) = VOM (lb)		
7 6 12	emissions	С	Review of records
7012	LIMISSIONS	J	Review of Iccolus
	Tankwagon Loading/Unloading		
7 7 10	- Keep records of	С	Review of records
7 7 10	throughput of plasticizer (lb/mo, ton/yr)		Review of records
	throughput of MeOH (lb/mo, ton/yr)		
ı	<u> </u>		
	# of tankwagon loads of methanol		
	operating schedule of the loading/unloading operations	ŀ	
	monthly VOM emissions	:	
7 7 12	- Emissions should be calculated as described in the Title V Permit - see Permit	 	D
7 / 12	- Emissions should be calculated as described in the Time V Permit - see Permit	C	Review of records
	S/T 01, 02, 08, 23, 25, 26, 27, 28, 31, 32, 33, 76, 77		
7 8 5	- Can only store	С	Dament of records
7 0 3		٠ ـ	Review of records
	1.3 & 1.4 - Butylene Glycol		
	Acids, Normal/Iso C6 - C22		
	Alcohols, Normal/Iso C6-C18		
	Dimethyl Ester		
	Epoxidized Soybean Oil	{	
	Ethylene Glycol		
	Glycerine		
	Glycols C2-C8	1	
	Glycol Ethers		j
1	Glycol Ether Esters		
	Methyl Esters		

Plasticizers

Table 1 - Page 2 of 5

2006 Annual Compliance Certification Source Name Ester Solutions ID #: 031821ABE

NOTE This table presents the Title V conditions, as well as certain construction permit conditions for a catalytic oxidizer (Jan - Nov) and thermal oxidizer (Nov - Dec), which have not yet been formally incorporated into the Title V

rmit Condition			
Reference (All)	
rences are to the			
Title V permit			
nless otherwise		Compliance	
identified)	Description of Permit Condition	Status	Method Used to Determine Compliance Sta
identifica)	Dear plant of 1 control		Method escu to Determine Comphance Sta
ı	Plasticizer and Water	1	I
	Surfactants and Nonionic Surfactants	į	
	Wasiewater		
786	- S/T 23 must not emit more than 0 1 lb/hr and 0 44 ton/yr	С	Review of records
	- S/T 23 annual emissions must be determined monthly and a sum of the current month plus the preceding 11 months		
789	- Keep records of	C	Review of records
. 0 /	throughput (gai/mo, gai/yr)		neview of records
	identification of material stored		
	annual VOM emissions	ļ	
	dimensions of the tanks		
	analysis of the capacity of the tanks		
7 8 12	- Emissions should be calculated using the most current version of the TANKS program	C	Review of records
7012	Emissions should be calculated using the most current version of the TANKS program		Review of feedids
	Tanks S/T 04, 05, 07, 10, 12, 17, 18, 20, 22, 41, 43, 44, 55, 56		
795	- Can only store		Review of records
'''	1.3 & 1.4 - Butylene Glycol	"	Review of feedings
	Acids, Normal/Iso, C6 - C22		
	Alcohols, Normal/Iso C6-C18		
	Dimethyl Ester		
İ	Epoxidized Soybean Oil		
i	Ethylene Glycol		
	Glycerine		
	Glycols C2-C8	l	
	Glycol Ethers		
	Glycol Ethers		
	Methyl Esters		}
	Plasticizers		
	Plasticizer and Water		
	Surfactants and Nonionic Surfactants		
	Wastewater		
799	- Keep records of		B ()
799	dimensions of the tanks	С	Review of records
	analysis of the capacity of the tanks		
	identification of the material stored		
	throughput (gal/mo, gal/yr)		
7012	annual VOM emissions		
7 9 12	- Emissions should be calculated using the most current version of the TANKS program	С	Review of records
	Tkg S/T 10 31 57 59		
7 10 5	Tanks S/T 19, 21, 57, 58		D
/ 10 3	- Can only store	С	Review of records
	1,3 & 1,4 - Butylene Glycol	i	
	Acids, Normal/Iso, C6 - C22		
	Alcohols, Normal/Iso, C6-C18		
'	Dimethyl Ester Epoxidized Soybean Oil		

2006 Annual Compliance Certification Source Name Ester Solutions ID # 031821ABE

NOTE This table presents the Title V conditions, as well as certain construction permit conditions for a catalytic oxidizer (Jan - Nov) and thermal oxidizer (Nov - Dec), which have not yet been formally incorporated into the Title V

Permit Condition			
Reference (All		ļ	
references are to the		İ	
Title V permit			
unless otherwise		Compliance	
identified)	Description of Permit Condition	Status	Method Used to Determine Compliance Status
	Glycerine		
	Glycols C2-C8		l
	Glycol Ethers		
	Glycol Ether Esters		
	Methyl Esters		
	Plasticizers		ļ
	Plasticizer and Water		
	Surfactants and Nonionic Surfactants		
	Wastewater		
7 10 6	- S/T 57 and S/T 58 emissions must be limited to 0 1 lb/hr and 0 44 ton/yr each	С	Review of records
7 10 9	- Keep records of	С	Review of records
	dimensions of the tanks		
	analysis of the capacity of the tanks	l	
	identification of material stored		
	throughput (gal/mo, gal/yr)	:	
	annual VOM emissions		
7 10 12	- Emissions should be calculated using the most current version of the TANKS program	С	Review of records
	Methanol Receivers (North and South)		
7 11 3	- Must have submerged loading pipes	С	Review of records Discuss with Plant Personnel
7 11 5	- Can only be used to store Methanol	С	Review of records Discuss with Plant Personnel
7 11 9	- Keep records of	С	Review of records
	dimensions of the tanks		
	analysis of the capacity of the tanks		
	design information showing the presence of permanent submerged loading pipes		
	maintenance and repair conducted on loading pipe		į
	identification of material stored		
	throughput (gal/mo, gal/yr)		
	annual VOM emissions		İ
7 11 12	- Emissions should be calculated using the most current version of the TANKS program	C	Review of records
	Railcar Spots #1-4		
7 12 5	- Can only store	Ċ	Review of records
	Cetyl Alcohol		
	Epoxidized Soybean Oil		
	Aliphatic Dibasic Ester		
	Alcohols		
7 12 9	- Keep records of	C	Review of records
! .	dimensions of the tanks		
	analysis of the capacity of the tanks		
	identification of material stored		
	throughput (gal/mo, gal/yr)		
	annual VOM emissions		
1 7 12 12	- Emissions should be calculated using the most current version of the TANKS program	С	Review of records
· · · · · · · · · · · · · · · · · · ·			

Natural Gas Boilers (<10 mmBtu/hr)

2006 Annual Compliance Certification

Source Name Ester Solutions

ID #: 031821ABE

NOTE This table presents the Title V conditions, as well as certain construction permit conditions for a catalytic oxidizer (Jan - Nov) and thermal oxidizer (Nov - Dec), which have not yet been formally incorporated into the Title V

r			· · · · · · · · · · · · · · · · · · ·
Permit Condition		1	
Reference (All		Į.	
references are to the			
Title V permit			
unless otherwise		Compliance	
identified)	Description of Permit Condition	Status	Method Used to Determine Comphance Status
7 13 5	Operate only with natural gas fucl	C	Review of records Discuss with Plant Personnel
7 13 9	- Keep records of	C _	Review of records
	fuel usage (Mft3/mo, Mft3/yr)		
	monthly and annual aggregate NOx, PM, SO2 & VOM emissions		
7 13 12	- Emissions should be calculated using emissions factors identified in the Title V (AP-42 factors)	С	Review of records
	Natural Gas Boilers (> 10 mmBtu/hr)	,	
7 14 5	- Operate only with natural gas fuel	C	Review of records Discuss with Plant Personnel
7 14 9	- Keep records of	С	Review of records
	fuel usage (Mft3/mo, Mft3/yr)		
L	monthly and annual aggregate NOx, PM, SO2 & VOM emissions		
7 14 12	- Emissions should be calculated emissions factors identified in the Title V (AP-42 factors)	c	Review of records
	General Permit Conditions		
8 6	- For monitoring requirements identified in the permit a report is required and due Sept. 1 and March 1 of every year. (see permit)	C	Review of records
	Standard Permit Conditions		r ·
96	General recordkeeping requirements	C	Review of records
	maintenance records for each air pollution control equipment		
1	records for changes made that result in emissions of a regulated air pollutant, not already regulated under the permit	İ	
	records of all monitoring data and other records kept for a period of 5 years from the date of entry		
9 7	- File an annual air emissions report by May 1 of every year	C	Review of records
	- Complete an annual certification that identifies each term or condition of the permit the compliance status, whether compliance was continuous or	1	
9.8	intermittent, the method used to determine compliance Due May 1	C	Review of records
	Regenerative Thermal Oxidizer - Construction Permit		
Construction Permit	- RTO shall be operated at all times when the associated emission units are in operation except that during malfucntion or breakdown of the RTO		Paper log of operation identifies when
2bı		C	oxidizer/emission units are operational
Construction Permit	- The RTO shall be designed to achieve 95% destruction efficiency for VOM		
3a		C	Review of Stack Test documents
Construction Permit	- The RTO combustion chamber shall be preheated to a working temperature before it is used for control Temperature at which the stack test proved		
	compliance shall be maintained during operation of the associated emission units	С	Review of electronic data
Construction Permit	- Periodic maintenance must be performed on the RTO so that the RTO is kept in proper working order		
3c		С	Review of maintenance files
Construction Permit	- RTO shall be equipped with a continuous monitoring device		RTO is equipped with an electronic monitoring
4		С	device
Construction Permit	- Records must be kept		Records are kept in a paper log book and
5a - c			electronically

⁽¹⁾ A correction to the method that is used to calculate emissions was submitted to the IEPA on December 15, 2003 as part of the Title V renewal. The emissions are calculated using the emission factor and the most recent version of the TANKS prog for the four wastewater tanks and an emission factor is used to calculate the emissions from the Wastewater Treatment Operations

Table 2. Deviation Summary Report

Source Name: Ester Solutions

ID #: 031821ABE

NOTE We are reporting malfunctions and breakdowns which are not considered violations because they are allowed in Section 4 of our construction permit Reporting these malfunctions and breakdowns is also consistent with the <u>Instruction for Form 401-CAAP</u>Pwhich states. "Deviations from permit terms and conditions that may not be considered violations because permittee is allowed to operate during malfunction, breakdown and startups pursuant to the permit, must still be reported."

Permit Condition Reference	Description of Permit Condition	Description and Cause of Deviation	Corrective Action(s) Taken to Remedy Deviation	Measurc(s) Taken to Prevent Future Deviations
				Preventative maintenance is being conducted
	Malfunction /			on the unit and production operations are
Construction	Breakdown of	The thermal oxidizer has shut down due to malfunctions and breakdowns a		being monitored to decrease the impact on
Permit 4	Oxidizer	total of 33 hours and 59 minutes in 2006	Unit was restarted	the shutdowns